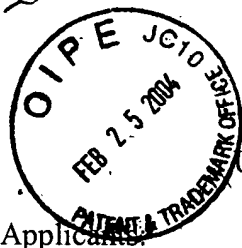


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2879  
PATENT APPLICATION  
Docket No.: 050676.1006-103

UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: D. Clint Seward

Application No.: 10/034,976 Filed Date: December 21, 2001

Confirmation No. 2543 Group: 2879 Examiner: Not assigned

For: Propulsion System

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MAR 01 2004

CERTIFICATE OF MAILING	
I Hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Commissioner for Patents, Washington, D.C. 20231	
on <u>February 23, 2004</u>	<u>Mary P. McDermott</u>
Date	Signature
<u>Mary P. McDermott</u>	
Typed or printed name of person signing certificate	

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
Washington, D.C. 20231

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Sir:

TECHNOLOGY CENTER R3700

This Information Disclosure Statement is submitted:

- ☐ under 37 CFR 1.129(a), or  
(First/Second submission after Final Rejection)
- ☒ under 37 CFR 1.97(b), or  
(Within any one of the following time periods: three months of filing national application (other than a CPA) or date of entry of the national stage in an international application; or before the mailing date of a first office action on the merits in a non-provisional application, including a CPA, or a Request for Continued Examination).
- ☐ under 37 CFR 1.97(c) together with either:
- ☐ a Statement under 37 CFR 1.97(e), as checked below, or
- ☐ a \$180.00 fee under 37 CFR 1.17(p), or  
(After the 37 CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97(d) together with:
- ☐ a Statement under 37 CFR 1.97(e), as checked below, and
- ☐ a \$180.00 fee under 37 CFR 1.17(p), or  
(Filed after final action or notice of allowance, whichever occurs first, but on or before payment of the issue fee)
- ☐ under 37 CFR 1.97(i):  
Applicant requests that the IDS and cited reference(s) be placed in the application filewrapper.  
(Filed after payment of issue fee)

Statement Under 37 CFR 1.97(e)

- ☐ Each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement; or
- ☐ No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

Statement Under 37 CFR 1.704(d) (Patent Term Adjustment)

Applies to original applications (other than design) filed on or after May 29, 2000

- ☐ Each item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in § 1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.

Enclosed herewith is form PTO-1449:

- ☒ Copies of the cited references are enclosed.
- ☐ Copies of cited references are enclosed except those entered in prior application, U.S. Application No. [      ], to which priority under 35 U.S.C. 120 is claimed. The earlier application contains copies of the cited references.
- ☐ Listed references [      ] were cited in the enclosed International Search Report in a counterpart foreign application.

Concise Explanation Requirement (non-English references):

- ☒ The "concise explanation" requirement (non-English references) for reference AN under 37 CFR 1.98(a)(3) is satisfied by:
  - ☐ the explanation provided on the attached sheet.
  - ☐ the explanation provided in the Specification.
  - ☐ submission of the enclosed International Search Report.
  - ☒ the enclosed English language abstract.

☐ Applicant requests that the following pending applications be considered:

Examiner's  
Initials

\_\_\_\_ U.S. Patent Application No. [ ], Publication No. [ ], Publication Date [ ],  
by [inventor(s)], filed [ ], Docket No.: [ ]

\_\_\_\_ U.S. Patent Application No. [ ], Publication No. [ ], Publication Date [ ],  
by [inventor(s)], filed [ ], Docket No.: [ ]

\_\_\_\_ U.S. Patent Application No. [ ], Publication No. [ ], Publication Date [ ],  
by [inventor(s)], filed [ ], Docket No.: [ ]

\_\_\_\_\_  
Examiner

\_\_\_\_\_  
Date

☐ A copy of each above-cited application, including the current claims, is enclosed.

☐ A copy of each above-cited application, including the current claims, is enclosed, except those entered in prior application, U.S. Application No. [ ], to which priority under 35 U.S.C. 120 is claimed.

The Examiner is requested to return a copy of the above list of pending applications indicating which references were considered with the next office communication.

It is requested that the information disclosed herein be made of record in this application.

Method of payment:


☐ A check for the fee noted above is enclosed, or the fee has been included in the check with the accompanying Reply. A copy of this Statement is enclosed.

☐ Please charge Deposit Account No. 50-1935 in the amount of \$[ ]. A copy of this Statement is enclosed.

☒ Please charge any deficiency in fees and credit any overpayment to Deposit Account No. 50-1935.

Respectfully submitted,

BOWDITCH & DEWEY, LLP

By   
Thomas O. Hoover

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Telephone: (508) 879-5700

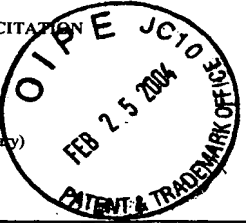
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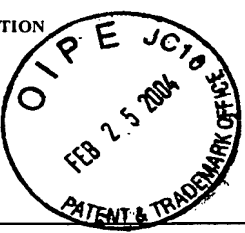
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161 Worcester Road

P.O. Box 9320

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PTO-1449 REPRODUCED INFORMATION DISCLOSURE CITATION IN AN APPLICATION 03/26/03 (Use several sheets if necessary)				ATTORNEY DOCKET No. 050676.1006-103		APPLICATION No. 10/034,976	
				APPLICANT D. Clint Seward		<b>RECEIVED</b> <b>MAR 01 2004</b>	
				FILING DATE December 21, 2001		GROUP ART UNIT 2879	
U.S. PATENT DOCUMENTS							
EXAM- INER INI- TIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE	
AA	2,233,779	03/04/41	Fritz	250	36		
AB	2,993,851	07/25/61	Thomson et al.	204	193.2		
AC	3,029,199	04/10/62	Baker et al.	204	193.2		
AD	3,113,088	12/03/63	Josephson	204	193.2		
AE	3,141,826	07/21/64	Friedrichs et al.	176	7		
AF	3,155,594	11/03/64	Lehnert et al.	176	8		
AG	3,255,404	06/07/66	Kidwell	323	44		
AH	3,322,374	05/30/67	King, Jr.	244	62		
AI	3,626,305	12/07/71	Furth et al.	328	233		
AJ	4,555,666	11/26/85	Martin	326	233		
AK	5,052,638	10/01/91	Minovitch	244	53		
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO	
AL	925157	04/24/73	Canada				
AM	WO 96/38848	12/05/96	PCT				
AN	1157971	08/15/85	Soviet Union (Abstract)				
				<b>RECEIVED</b> <b>MAR 18 2004</b> TECHNOLOGY CENTER R3700			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
AR	Gilbert et al., "Shell-Structure Phase of Magnetically Confined Strongly Coupled Plasmas", <i>Physical Review Letters</i> , Vol. 60, No. 20, May 16, 1988, pp. 2022-2025.						
AS	Ono et al., "Reflection at a Metal Surface in a Magnetically Controlled Beam Plasma Discharge", pp. 997-1000.						
AT	Chen et al., "Compact Toroidal Energy Storage Device Using a Relativistically Electron Cloud Densified by Travelling Magnetic Waves (TMW)", <i>Digest of Technical Papers of the 4<sup>th</sup> IEEE Pulsed Power Conference</i> , Albuquerque, N.M., USA, June 6-8, 1983, pp. 518-521.						
AU	Radin et al., "Physics for Scientists and Engineers", <i>Prentice-Hall, Inc.</i> , 1982, pp. 559-560.						
EXAMINER				DATE CONSIDERED			

PTO-1449 REPRODUCED INFORMATION DISCLOSURE CITATION IN AN APPLICATION 03/26/03 (Use several sheets if necessary)				ATTORNEY DOCKET No. 050676.1006-103		APPLICATION No. 10/034,97	
				APPLICANT D. Clint Seward		<b>RECEIVED</b> <b>MAR 01 2004</b>	
				FILING DATE December 21, 2001		GROUP ART UNIT 2879	
U.S. PATENT DOCUMENTS							
EXAM- INER INI- TIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
	AA2	5,175,466	12/29/92	Seward, III	313	231.31	
	AB2	5,207,760	05/04/93	Dailey et al.	60	202	
	AC2	5,211,006	05/18/93	Sohnly	60	202	
	AD2	5,291,734	05/08/94	Sohnly	60	202	
	AE2	5,646,476	07/08/97	Aston	313	359.01	
	AF2	5,773,919	06/30/98	Seward	313	231.31	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	AV	Malmberg et al., "Pure Electron Plasma, Liquid, and Crystal", <i>Physical Review Letters</i> , Vol. 39, No. 21, November 21, 1977, pp. 1333-1336.					
	AW	Hangst et al., "Anomalous Schottky Signals from a Laser-Cooled Ion Beam", <i>Physical Review Letters</i> , Vol. 74, No. 1, January 2, 1995, pp. 86-89.					
		<b>RECEIVED</b> <b>MAR 18 2004</b> <b>TECHNOLOGY CENTER R3700</b>					
EXAMINER				DATE CONSIDERED			